

# SEQUENCE LISTING

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<120> ANTI-INTERFERON-ALPHA ANTIBODIES

<130> GENENT.074A

<150> 60/270775

<151> 2001-02-22

<160> 14

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 114

<212> PRT

<213> Murine

<400> 1

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Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
 1           5           10           15
Gln Arg Ala Thr Ile Ser Cys Arg Ala Ser Gln Ser Val Ser Thr Ser
      20           25           30
Ser Tyr Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
      35           40           45
Lys Val Leu Ile Ser Tyr Ala Ser Asn Leu Glu Ser Gly Val Pro Ala
      50           55           60
Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His
65      70           75           80
Pro Val Glu Glu Gly Asp Thr Ala Thr Tyr Phe Cys Gln His Ser Trp
      85           90           95
Gly Ile Pro Arg Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Arg Arg
      100           105           110
Ala Val

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<210> 2

<211> 119

<212> PRT

<213> Murine

<400> 2

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Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala
 1           5           10           15
Ser Val Lys Ile Ser Cys Lys Thr Ser Gly Tyr Thr Phe Thr Glu Tyr
      20           25           30
Ile Ile His Trp Val Lys Gln Gly His Gly Arg Ser Leu Glu Trp Ile
      35           40           45
Gly Ser Ile Asn Pro Asp Tyr Asp Ile Thr Asn Tyr Asn Gln Arg Phe

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50                      55                      60  
 Lys Gly Lys Ala Thr Leu Thr Leu Asp Lys Ser Ser Arg Thr Ala Tyr  
 65                      70                      75                      80  
 Leu Glu Leu Arg Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys  
                     85                      90                      95  
 Ala Ser Trp Ile Ser Asp Phe Phe Asp Tyr Trp Gly Gln Gly Thr Thr  
                     100                      105                      110  
 Leu Met Val Ser Ala Ala Ser  
                     115

<210> 3  
 <211> 114  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> This sequence represents a humanized chimeric  
 antibody comprising human and non-human sequences.

<400> 3  
 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
 1                      5                      10                      15  
 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Val Ser Thr Ser  
                     20                      25                      30  
 Ser Tyr Ser Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro  
                     35                      40                      45  
 Lys Val Leu Ile Ser Tyr Ala Ser Asn Leu Glu Ser Gly Val Pro Ser  
                     50                      55                      60  
 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser  
 65                      70                      75                      80  
 Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His Ser Trp  
                     85                      90                      95  
 Gly Ile Pro Arg Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg  
                     100                      105                      110  
 Thr Val

<210> 4  
 <211> 110  
 <212> PRT  
 <213> Homo sapiens

<400> 4  
 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
 1                      5                      10                      15  
 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Asn Tyr  
                     20                      25                      30  
 Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
                     35                      40                      45  
 Tyr Ala Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly  
                     50                      55                      60  
 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
 65                      70                      75                      80  
 Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Asn Ser Leu Pro Trp  
                     85                      90                      95

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Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val  
 100 105 110

<210> 5  
 <211> 119  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> This sequence represents a humanized chimeric  
 antibody comprising human and non-human sequences.

<400> 5  
 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15  
 Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Tyr Thr Phe Thr Glu Tyr  
 20 25 30  
 Ile Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45  
 Ala Ser Ile Asn Pro Asp Tyr Asp Ile Thr Asn Tyr Asn Gln Arg Phe  
 50 55 60  
 Lys Gly Arg Phe Thr Ile Ser Leu Asp Lys Ser Lys Arg Thr Ala Tyr  
 65 70 75 80  
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Ser Trp Ile Ser Asp Phe Phe Asp Tyr Trp Gly Gln Gly Thr Leu  
 100 105 110  
 Val Thr Val Ser Ser Ala Ser  
 115

<210> 6  
 <211> 119  
 <212> PRT  
 <213> Homo sapiens

<400> 6  
 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30  
 Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45  
 Ala Val Ile Ser Gly Asp Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80  
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Arg Gly Arg Val Gly Tyr Tyr Asp Tyr Trp Gly Gln Gly Thr Leu  
 100 105 110  
 Val Thr Val Ser Ser Ala Ser  
 115

<210> 7

10044896.010902

<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 7  
Arg Ala Ser Gln Ser Val Ser Thr Ser Ser Tyr Ser Tyr Met His  
1 5 10 15

<210> 8  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 8  
Tyr Ala Ser Asn Leu Glu Ser  
1 5

<210> 9  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 9  
Gln His Ser Trp Gly Ile Pro Arg Thr Phe  
1 5 10

<210> 10  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 10  
Gly Tyr Thr Phe Thr Glu Tyr Ile Ile His  
1 5 10

<210> 11  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 11  
Ser Ile Asn Pro Asp Tyr Asp Ile Thr Asn Tyr Asn Gln Arg Phe Lys  
1 5 10 15  
Gly

<210> 12  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 12

206070-958400T

Trp Ile Ser Asp Phe Phe Asp Tyr  
1 5

<210> 13  
<211> 30  
<212> DNA  
<213> Homo sapiens

<400> 13  
gatcgggaaa gggaaaccga aactgaagcc 30

<210> 14  
<211> 30  
<212> DNA  
<213> Homo sapiens

<400> 14  
gatcggcttc agtttcggtt tccctttccc 30

205070-969440T